(Page 1 of 2)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-851 Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Ford Motor Company exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: XFMXA05.4JBN <u>Displacement</u>: 5.4 Liters (326 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter Dual Heated Oxygen Sensors Heated Oxygen Sensor Exhaust Gas Recirculation Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Test Weight	Mil <u>es</u>	Non-Methane <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Oxides of <u>Nitrogen</u>
5751-8500	50,000	0.39	5.0	1.1
	120,000	0.56	7.3	1.53

The certification exhaust emission values for this engine family in grams per mile are:

Test Weight	Miles_	Non-Methane	Carbon	Oxides of
(1bs.)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Nitrogen</u>
5751-8500	50,000	0.23	1.9	0.1
	120,000	0.31	2.4	0.21

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 18 day of December 1997.

R. B Summerfield, Chief

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Mobile Source Operations Division

EO# A-10-85[

Supplemental Data Sheet - DPA Summary

The 1999 DPA charts are currently under construction and will be forwarded to the ARB upon completion.

THIS THE FAMILY: XFMXA05.4JBN REVISED: OCT 2 7 1997

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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;	Manufacturer FORD MOTOR COM	<u>PANY</u> Ext	n. Eng. Far	m.: <u>XFM</u>)	XA05.4JBN EV	ар. Fam.: <u>X FM</u>	XE0155B1H	
į	Fnaine Code Types: CA XXX 49S	503	s	AB965	ORVR	: Yes No_;	XXX_	
	Exhaust Std: CA Tier-1_XXX_TLEV	LEV	ULEV	_ ULEV_	SULEV	U.S. EPA	TIER-1	
	Vehicle Class(es): PC LDT1	LDT2	MDV1	MDV2	_ MDV3_XX_ M	1DV4 MDV5		
	Single Cert Std for Multi-Class Eng Fo	am: <u>N/A</u>	(specify: N	/A,LDT1,MD	V1,MDV2,MDV3,MD)V4}		
	Fuel Type(s): Dedicated X Flex-F	uel Du LPG	ial-Fuel M85	_ Bi-Fuel Other (Gasoline specify):	XXX Diese		
	Exh Emiss Test Fuel(s): Indo_XXX	CBG 13 CCR 22	CNG 82	LPG_ 40 CFR 8	M85 86.113-90	Other(specify 40 CFR 86.113-9	?): ?4	
	Evaporative Emission Test Procedur	e: Califor	nia	Fed	leral <u>XXX</u>			
	Service Accum: Std AMA	Mod AMA	XXX_	Mfr ADF	Other (spe	cify)	<u>,</u>	
	NMOG Test Procedure: N/A_XXX_	StdI	Equiv	_ R/L T	est Procedure:	SHED Pt.S	ource_XXX_	
	Engine Configuration <u>V-8</u> Dis	placement	: _5.4L	Liter	326	Cubic In	ches	
	Valves/Cvl: 2_	R	ated HP: _	<u>235 @ 4</u>	<u>250_</u> RPM			
	Engine: Front_XXX_MidRec	ar D	rive: Fwd	RW	D_XXX4WD-FT	4WD-PT <u>X</u>	XX	
	Exhaust ECS (e.g., MFI, EGR,TC,CA	C): <u>I\</u>	NC. 2HO2	S, EGR, SF	1 HOZS			
	B.1.650, 255 (155)		(Use abbre	eviations pe	er \$AE J1930 JUN93)			
	EngineCode Vehicle Models	Trans.			Ignition	EGR System	Catalytic Converter	
•	(California)	A-Auto M-Man	ETW	DPA	Part No (PCM)		Part No	
	(California)		·····	<u></u>	XC3F-ASA	F75E-CA	F8US-XX	
	9VZABJA A/N F250 4X2 Crew Co	A ah Short	7500	*	VC3L-Y3V	1702 071	. • • • • • • • • • • • • • • • • • • •	
	F250 4X2 Crew Co		7500					
	F250 4X2 Reg Cal		7000					
	F250 4X2 Super C		7500					
	F250 4X2 Super C		7500					
	F250 4X4 Crew C		7500					
	F250 4X4 Crew C		7500 7500					
	F250 4X4 Reg Ca	b roug	7500 7500					
	F250 4X4 Super C F250 4X4 Super C		7500					
	F350 4X4 30Pel C		8000					
	F350 4X2 Crew C		8000					
	F350 4X2 Reg Co		7500					
	F350 4X2 Super C		7500					
	F350 4X2 Super C		7500					
			· forest	s wheels	has e			
		N	SCI 013 14	> 4418.514	<i>747</i> =			

* See Section 20.09.17.03

Engine Family XFMXA05.4JBN Issued: OCT 2 7 1997 20.09.17.02 - 1

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(continued)

EngineCode (California)	Vehicle Models	Trans. A-Auto M-Man	ЕТW	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
9VZABJA A/N	F350 4X4 Crew Cal F350 4X4 Crew Cal F350 4X4 Reg Cab F350 4X4 Super Ca F350 4X4 Super Ca	b Long Long b Short	8000 8000 8000 8000 8000	*	XC3F-ASA	F75E-CA	F8US-XX

^{*} See Section 20.09.17.03

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1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer <u></u>	FORD MOTOR COMPANY EX	kh. Eng. Fo	ım.: <u>WFM</u>	<u>1XA05.4JBN</u> EV	ap. Fam.: <u>WFM</u>	NXE0100RTH
Engine Code Typ	pes: CA <u>XXX</u> 49S	os	AB965_	ORVI	R: Yes No_	XXX
	Tier-1 XXX TLEV LEV					
Vehicle Class(es	s): PC LDT1 LDT2	MDV1	MDV2_	MDV3 <u>_XX</u> _1	MDV4 MDV	5
_	or Multi-Class Eng Fam: <u>N/A</u>					
Fuel Type(s): De CN	dicated <u>X</u> Flex-Fuel <u> </u>	ual-Fuel M85	Bi-Fue _ Other	el Gasoline (specify):	e <u>XXX</u> Dies	el
Exh Emiss Test Fu	uel(s): Indo_XXX	CNG 282	LPG_ 40 CFR	M85 86.113-90	Other(specify 40 CFR 86.113-	y): 94
Evaporative Em	ission Test Procedure: Califo	rnia	Fed	deralXXX		
	Std AMA Mod AM/					
NMOG Test Prod	cedure: N/A <u>XXX</u> Std	Equiv	R/L	Test Procedure:	SHED Pt.S	Source <u>XXX</u>
Engine Configu	ration <u>V-8</u> Displacement	t: <u>5.4</u> L	Lite	rs <u>326</u>	Cubic In	ches
Valves/Cyl: 2	R	ated HP: .	235 @ 4	<u>4250 </u>		
Engine: Front_>	(XX_ Mid Rear D	orive: Fwd	RW	/D <u>XXX</u> 4WD-F1	4WD-PT_ <u>></u>	XXX_
				11		
Exhaust ECS (e.	g., MFI, EGR,TC,CAC):I	WC <u>, 2HQ2</u>	2S, EGR, S	SFI <u>HOZS</u> er SAF (1930 JUN93)		
Exhaust ECS (e.	g., MFI, EGR,TC,CAC):I	WC, 2HO2 (Use abbr	2S, EGR, S eviations p			· · · · · · · · · · · · · · · · · · ·
Exhaust ECS (e.e.	Vehicle Models Trans.	WC, 2HO2 (Use abbr	2S, EGR, S eviations p	Ignition	EGR	Catalytic
EngineCode	Vehicle Models Trans. A-Auto		2S, EGR, S eviations p DPA	Ignition Part No	EGR System	Catalytic
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man			Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode	Vehicle Models Trans. A-Auto M-Man	ETW		Ignition Part No (PCM)	EGR System	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short		DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long	ETW 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long	7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long	7500 7500 7500 7000 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short	7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long F250 4X4 Crew Cab Short F250 4X4 Crew Cab Short F250 4X4 Crew Cab Short	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long F250 4X4 Crew Cab Short F250 4X4 Crew Cab Short F250 4X4 Crew Cab Long F250 4X4 Crew Cab Long F250 4X4 Reg Cab Long	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long F250 4X4 Crew Cab Short F250 4X4 Crew Cab Short F250 4X4 Crew Cab Long F250 4X4 Reg Cab Long F250 4X4 Reg Cab Long F250 4X4 Super Cab Short	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long F250 4X4 Crew Cab Short F250 4X4 Crew Cab Long F250 4X4 Reg Cab Long F250 4X4 Reg Cab Long F250 4X4 Super Cab Short F250 4X4 Super Cab Short F250 4X4 Super Cab Short F250 4X4 Super Cab Long	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long F250 4X4 Crew Cab Short F250 4X4 Crew Cab Long F250 4X4 Reg Cab Long F250 4X4 Super Cab Short F250 4X4 Crew Cab Short	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Short F250 4X4 Crew Cab Short F250 4X4 Crew Cab Long F250 4X4 Reg Cab Long F250 4X4 Super Cab Short F250 4X2 Crew Cab Short F350 4X2 Crew Cab Short	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No
EngineCode (California)	Vehicle Models Trans. A-Auto M-Man A F250 4X2 Crew Cab Short F250 4X2 Crew Cab Long F250 4X2 Reg Cab Long F250 4X2 Super Cab Short F250 4X2 Super Cab Long F250 4X4 Crew Cab Short F250 4X4 Crew Cab Long F250 4X4 Reg Cab Long F250 4X4 Super Cab Short F250 4X4 Crew Cab Short	7500 7500 7500 7500 7500 7500 7500 7500	DPA	Ignition Part No (PCM)	EGR System Part No	Catalytic Converter Part No

^{*} See Section 20.09.17.03

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PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer	FORD MOTOR COM	<u>MPANY</u> EX	kh. Eng. F	am.: <u>WF</u>	MXA05.4JBN	Evap. Fam.: <u>WF</u>	MXE0155B1H
EngineCode	Vehicle Models	Trans. A-Auto	-		Ignition Part No	EGR System	Catalytic Converter
(California)		M-Man	ETW	DPA	(PCM)	Part No	Part No
9VZABJB A/N		Α			XC3F-ASB	F75E-CA	F8U\$-XX
702 (CSS) (III	F350 4X4 Crew Cal F350 4X4 Crew Cal F350 4X4 Reg Cab F350 4X4 Super Cal F350 4X4 Super Cal	b Long Long b Short	8000 8000 8000 8000 8000	•			

^{*} See Section 20.09.17.03

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PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer _F	ORD MOTOR COMPANY	Exh. Eng. Fo	im.: <u>WFM)</u>	XAU5,4JBN EV	ар. ғат.: <u>vvғіv</u>	XEU 100B I II
Engine Code Ty	oes: CA <u>XXX</u> 49S	50S	AB965	ORVR	:: Yes No_	XXX_
	Tier-1 XXX TLEV LEV					
): PC LDT1 LDT2					5
	or Multi-Class Eng Fam: <u>N</u>					
Fuel Type(s): De CN	dicated <u>X</u> Flex-Fuel G LNG LPG	Dual-Fuel_ M85	Bi-Fuel _ Other (Gasoline specify):	XXX Diese	el
Exh Emiss Test Fu	uel(s): Indo_XXX CBG_ Diesel 13 CCF	CNG R 2282	LPG 40 CFR 8	M85 6.113-90	Other(specify 40 CFR 86.113-9	/): 94
	ission Test Procedure: Co					
Service Accum:	Std AMA Mod A	AMA_XXX_	Mfr ADP	Other (spe	cify)	
NMOG Test Prod	cedure: N/A <u>XXX</u> Std	Equiv	R/L T	est Procedure:	SHED Pt.S	Source XXX
Engine Configu	ration <u>V-8</u> Displacem	ent: <u>5.4</u> L	Liters	326	Cubic In	ches
Valves/Cyl: 2		Rated HP:				
Engine: Front_	(XX Mid Rear	Drive: Fwo	I RWI	D <u>XXX</u> 4WD-FT	4WD-PT_ <u>></u>	XX_
Exhaust ECS (e.	g., MFI, EGR,TC,CAC):	TWC, 2HO	2S, EGR, SE	1 HO25		
EM (GGO) I GO (G)	9	(Use abb	reviations pe	r SAE J1930 JUN93)		
	Vehicle Models Tran	<u> </u>		Ignition	EGR	Catalytic
EngineCode	Vehicle Models Tran A-Au			Part No	System	
(California)	M-Mc		DPA	(PCM)	Part No	Part No
9VZABJC A/N	Α			XC3F-ASC	F75E-CA	F8US-XX
7 12 1200 7 17 1	F250 4X2 Crew Cab Short	7500	*			
	F250 4X2 Crew Cab Long					
	F250 4X2 Reg Cab Long	7000				
	F250 4X2 Super Cab Shor					
	F250 4X2 Super Cab Long					
	F250 4X4 Crew Cab Shor F250 4X4 Crew Cab Long					
	F250 4X4 Reg Cab Long	7500				
	F250 4X4 Super Cab Shor					
	F250 4X4 Super Cab Long					
	F350 4X2 Crew Cab Shor	t 8000				
	F350 4X2 Crew Cab Long	9 8000				
	F350 4X2 Reg Cab Long	7500				
	F350 4X2 Super Cab Short					
	- EXBLIZIX / SHIDOT L.CID LODG					

Engine Family XFMXA05.4JBN Issued: Revised:

^{*} See Section 20.09.17.03

E.O.# A-10-851

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PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(continued)

Manufacturer	FORD MOTOR CON	<u>//PANY</u> Ex	kh. Eng. F	am.: <u>WF</u> 1	MXA05.4JBN	Evap. Fam.: WFI	MXE0155B1H -
EngineCode	Vehicle Models	Trans. A-Auto		<u>₩</u> 1	Ignition Part No	EGR System	Catalytic Converter Part No
(California)		M-Man	ETW	DPA	(PCM)	Part No	PULLINO
9VZABJC A/N		Α			XC3F-ASC	F75E-CA	F8US-XX
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	F350 4X4 Crew Cal F350 4X4 Crew Cal F350 4X4 Reg Cab F350 4X4 Super Cal F350 4X4 Super Ca	o Long Long o Short	8000 8000 8000 8000 8000	*			

* See Section 20.09.17.03

Engine Family: XFMXA05.4JBN Issued: Revised: DEC 9 9 1007

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